

BARDEHLE PAGENBERG Team

Jonathan Steinberg

Dr. rer. nat., M.Sc. (Physics)

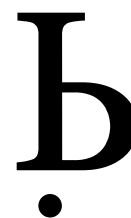


Patent Engineer

Location Munich

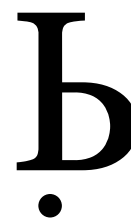
Languages: German, English

jonathan.steinberg@bardehle.de



Jonathan Steinberg's practice focuses on drafting patent applications and assisting clients in examination proceedings before the European and German Patent Offices. In addition, he deals with infringement and validity matters as well as with opposition proceedings, appeal proceedings and nullity proceedings.

Jonathan Steinberg's work draws on his extensive knowledge in his technical specializations in quantum physics and mathematics, in particular in the field of quantum computing and quantum error correction.



Legal Areas

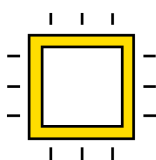
Patent Valuation

Patent Litigation

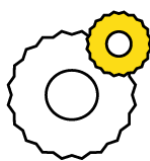
Patent Prosecution

Oppositions and Nullity

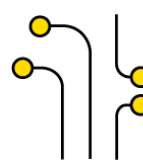
Industries



Semiconductor Technology



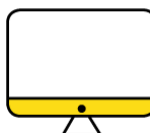
Mechanical Engineering



Electrical Engineering



Medical Devices



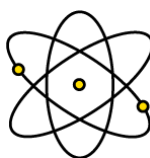
Software, IT & Computer Technology



Telecommunications



Sports



Physics



Lectures & Seminars

Lecturer for the course "Mathematical Methods in Quantum Theory" in the winter term 2020/2021 at the University of Siegen



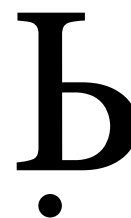
Memberships

Member of the German Physical Society (Deutsche Physikalische Gesellschaft)



Publications

- H. Jnane, J. Steinberg et al. : "Quantum Error Mitigated Classical Shadows" (PRX Quantum 5, 010324)"
- H. C. Nguyen, J. Steinberg et al. : "Optimising shadow tomography with generalised measurements" (Phys. Rev. Lett. 129, 220502)
- Z.-P. Xu, J. Steinberg, A. Cabello et al. : "Graph-theoretic approach to Bell experiments with low detection efficiency" (Quantum 7, 922)



Curriculum Vitae

2024 - today	Studies of law for patent attorneys at Fernuniversität Hagen, Germany
2023 - today	Patent Engineer and Trainee Patent Attorney at BARDEHLE PAGENBERG in Munich, Germany
2023	Visiting researcher at Peking University in the group of Qiongyi He
2020 - 2023	PhD thesis ("summa cum laude") in physics (Dr. rer. nat.) at the University of Siegen on quantum information theory and quantum computing with a scholarship from the House of Young Talents
2018 - 2020	M.Sc. studies in theoretical and mathematical physics at the University of Siegen ("with distinction"). Publication of the M.Sc. thesis as a book in the series Springer BestMaster.
2014 - 2018	B.Sc. studies in physics and mathematics at the University of Münster and the University of Siegen (both "with distinction")